

ABSTRACT OF THE DISCLOSURE

A high-strength, high corrosion-resistant and non-magnetic stainless steel which is further excellent in strength and corrosion resistance and safe in the living body and also can stand against various corrosive environments. The stainless steel comprises 0.15% by weight or less of C, 1.0% or less of Si, 3.0 to 12.0% of Mn, 0.030% or less of P, 0.50% or less of Ni, 15.0 to 21.0% of Cr, 0.70 to 1.50% of N, 0.020% or less of Al and 0.020% or less of O, and a remainder of Fe and inevitable impurities.

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